♦ **File / List / FP / RCOP Revisions**

☞ **Warning** : This function is only available when the corresponding file fp_name.rfp has been generated
with the function **Decompile / FP / Generate RCOP Revisions**.
The mouse invokes the function as described in Section 3.8.3.

The invocation with the keyboard consists of the following sequence:
Alt + f → ↓ → ↵ → ↓ → ↵ → ↓ → ↓ → ↓ → ↓ → ☐

Example of an .rfp Listing:

```
   &     V4.2.1   PN-RCO UNC 15.05.95 16:31
   &      FBSLIB 950401V420    A:FBSLT1 950401V420
   &   B:                      C:
   2
   3 „ Revision Documentation from EEPROM „
   4
   5 „ EEPROM Data Label  : none „
   6 „ EPROM Data Label   : ?*       „
   7
   8 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
   9 FP-CONT ,P16
  10
  11 SE030    : AND22    ,POS = 04.04.18
  12    IS2 V2 < @TYP = O2,   191                                            &
   &              ,MIN  =   128                                             &
   &              ,MAX  =   255                                             &
   &              ,'TP_011 '
   &            (   255    ?*  ) The „Original Value" 255 was replaced with the value 191 at this location!
  13 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
  14
  15 SE040    : AND22    ,POS = 04.03.30
  16    IS2 V2 < @TYP = O2,   191                                            &
   &              ,MIN  =   128                                             &
   &              ,MAX  =   255                                             &
   &              ,'TP_012 '
   &            (   255    ?*  )
  17 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
  18
  19 END
```
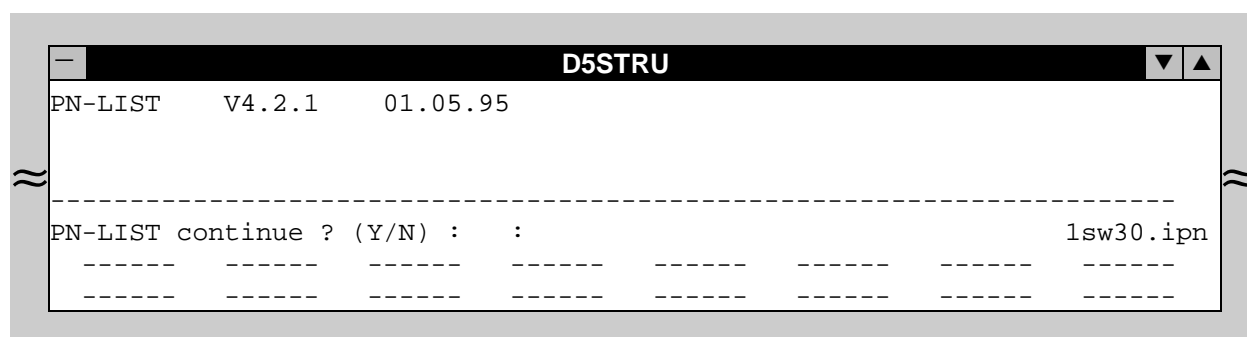
3.8.3.3   File / List / PN

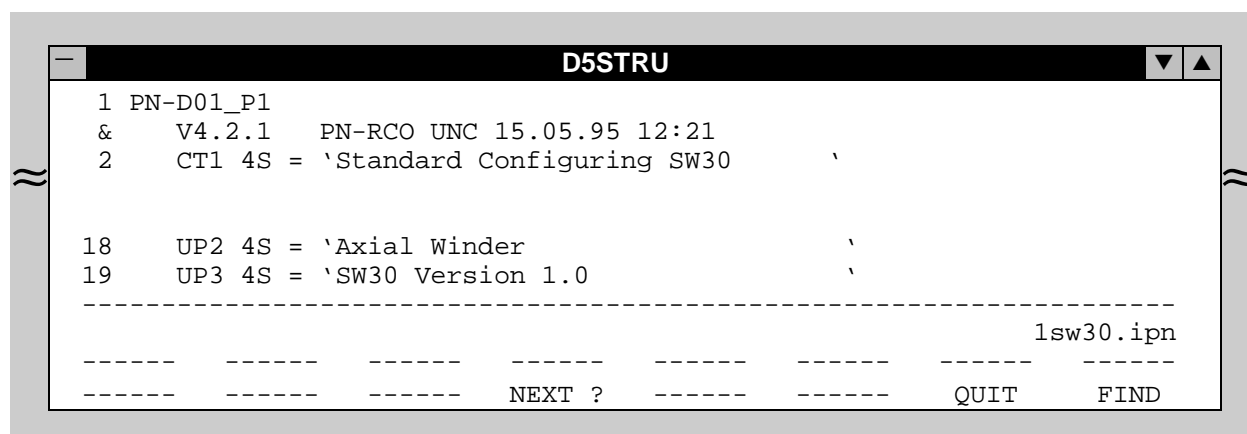The invocation of the sub-functions in **File / List / PN** is implemented as described in Section 3.8.3.

The following sub-functions can be selected:

```
File
 Delete          ➤
 List            ➤   MP
 Print to File   ➤   FP
 Print           ➤   PN   MAP Listing
 Extract Comment...            RCOP Contents
 Replace Comment...            RCOP Revisions
 Exit STRUC ...
```

The following window is popped onto screen after the start.

```
 ─                           D5STRU                           ▼ ▲
PN-LIST     V4.2.1     01.05.95


≈  -------------------------------------------------------------  ≈

PN-LIST continue ? (Y/N) :    :                         1sw30.ipn
  ------   ------   ------   ------   ------   ------   ------   ------
  ------   ------   ------   ------   ------   ------   ------   ------
```

The selected processor program is displayed when acknowledged with „Y".

```
 ─                           D5STRU                           ▼ ▲
  1 PN-D01_P1
  &    V4.2.1   PN-RCO UNC 15.05.95 12:21
  2    CT1 4S = 'Standard Configuring SW30       '

≈                                                                    ≈
 18    UP2 4S = 'Axial Winder                    '
 19    UP3 4S = 'SW30 Version 1.0                '
 -------------------------------------------------------------------
                                                          1sw30.ipn
  ------   ------   ------   ------   ------   ------   ------   ------
  ------   ------   ------   NEXT ?   ------   ------   QUIT    FIND
```

The cursor is located at the upper left-hand corner of the window after the start of the function. The cursor can be moved line by line with the **cursor keys** ⬚ and ⬚ and page by page with the keys ⬚ and ⬚.
Branching to the footer menu line for function selection is implemented with the **ESC key** [Esc] . The function NEXT ? is initially selected. Switch to further functions QUIT and FIND and back with the **cursor keys** ⬚ and ⬚. The function is executed with **Return** ⬚. The functions can also be directly invoked via the function keys:

$$\text{<SHIFT> <F4>} \Rightarrow \text{NEXT?}$$
$$\text{<SHIFT> <F7>} \Rightarrow \text{QUIT}$$
$$\text{<SHIFT> <F8>} \Rightarrow \text{FIND}$$

NEXT ? : Branch to the next question mark in the text with this function. A question mark in general implies incomplete entries or error messages from the STRUC L compiler.

QUIT : The function QUIT exits the function **File** / **List / PN**, when the prompt **PN List abort** (Y/N) is acknowledged with „Yes". „Y". A message window is popped onto screen after exiting.

—	Message
	PN-LIST : Exit
	OK

FIND : The function FIND permits searching for text strings in the selected listing. The text string must be enclosed in apostrophes '*Text String*'.
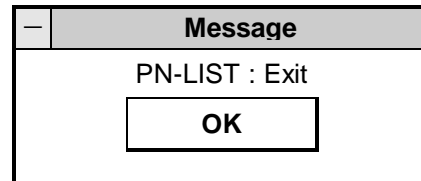
♦ **File / List / PN / MAP Listing**

☞ **Warning**: This function is only available when the corresponding file nmp_name.mpn (n = Processor Number), from the original configuring, is located in the path.

The mouse invokes the function as described in Section 3.8.3.

The invocation with the keyboard consists of the following sequence:
**Alt + f** → ⬇ → ↵ → ⬇ → ⬇ → ↵ → ↵

The program listing is not shown here, since it is a ''Normal'' STRUC L MAP listing. The structure and contents can be seen in the corresponding STRUC L documentation.

♦ **File / List / PN / RCOP Contents**

☞ **Warning**: This function is only available when the corresponding file nmp_name.ipn (n = Processor number) has been generated with the function **Decompile / PN / Contents**.

The mouse invokes the function as described in Section 3.8.3.

The invocation with the keyboard consists of the following sequence:
Alt + f → ⬇ → ↵ → ⬇ → ⬇ → ↵ → ⬇ → ⬇ → ↵

3 Basic dialog, example

Example of an .ipn-Listing:
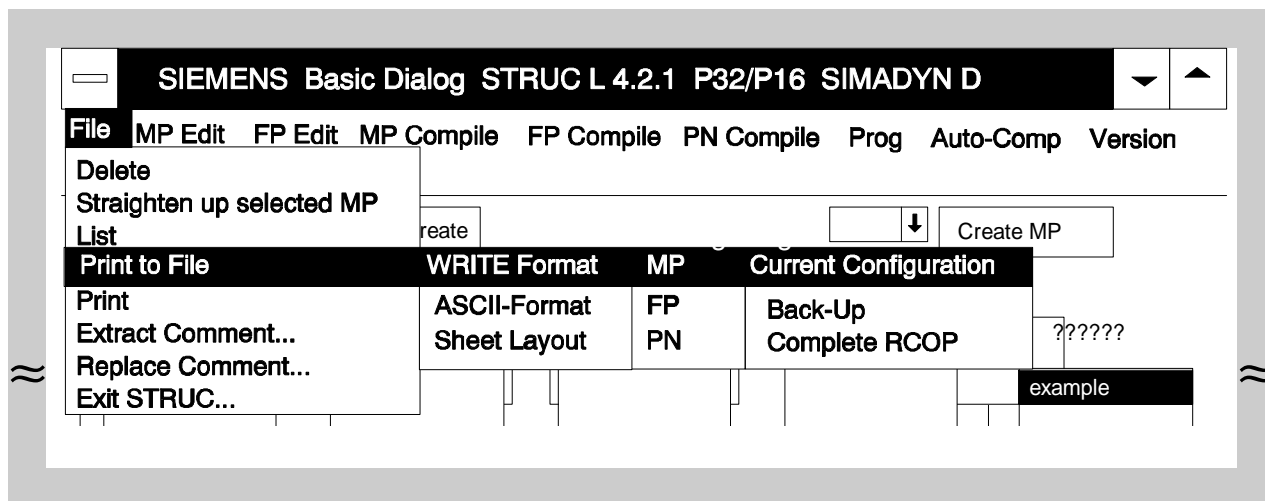
```
 1  PN-D01_P1
 &     V4.2.1   PN-RCO UNC 15.05.95 12:21
 2     CT1 4S = 'Standard Configuring SW30        '
 3     CT2 4S = 'Axial Winder                     '
 4     CT3 4S = '
 5     HLD 3S = '
 6     DLP 3S = '
 7     DLS 1S = '
 8     DGP 3S = '3SE.4654709003.00          '
 9     DGS 1S = '
10     DPP 3S = '
11     DPS 1S = '
12     LCD 3S = '
13     OIL 2S = '   SIMADYN D      '
14     OI2 2S = ' ASI 1 D V122     '
15     CN1 2S = 'Siemens AG        '
16     CN2 2S = 'Division ASI 1    '
17     UP1 4S = 'SIMADYN D Standard Configuring   '
18     UP2 4S = 'Axial Winder                     '
19     UP3 4S = 'SW30 Version 1.0                 '
20     DAT DA =  30.06.94
21     DES 2S = 'ASI 1 D V122      '
22     CHK 2S = 'ASI 1 D SP3       '
23     ORD 4S = 'V4.02 /Version 1.0 /30.06.94/Ga '
24     MD3 4S = '        /              /          /     '
25     MD2 4S = '        /              /          /     '
26     MD1 4S = '        /              /          /     '
27     SYS 1N = @SIMD
28
29 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
31     MP-Name            : SW30
32     MP-Compiler Date   : 15.05.95
33     MP-Compiler Time   : 10:16
34
35     PN-Name            : D01_P1
36     PN-Compiler Date   : 15.05.95
37     PN-Compiler Time   : 10:30
38     Slot Number        : 1
39     Board Type         : PT10
40
41 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
42
43 Utilized System Data
44
45     Designation          Version ID        Name
46
47     STRUC Version    :   V4.2.1
48     GSW P16          :   950401    V420
49     GSW P32          :   950401    V420
50     IBTLIB           :   950401    V420    IBSLIB
51     FBTLIB           :   950401    V420    FBSLIB
52     FBTLIB.A         :   950401    V420    FBSLT1
53
54 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

```
55
56 Function Packets in the Processor
57
58    FP-Name | FP-Comp.  | FP-Comp.  | Equipment ID             | Strt-Up Data.
59            | Date      | Time      |                          | Modified
60 ------------------------------------------------------------------------
61    @SIMD   | 16.05.95  | 12:33     | =SD.01                   |
62    @RXD    | 25.05.95  | 10:23     |                          |
63    CONF3   | 25.05.95  | 10:23     |                          |
64    DIAM    | 25.05.95  | 10:24     |                          |
65    IQ1     | 25.05.95  | 10:20     |                          |        *
66    TENS    | 25.05.95  | 10:25     |                          |
67    CONT    | 25.05.95  | 10:26     |                          |        *
68    SREF    | 25.05.95  | 10:27     |                          |
69    IQ2     | 25.05.95  | 10:29     |                          |
70    PARAM3  | 25.05.95  | 10:29     |                          |        *
71    @TXD    | 25.05.95  | 10:30     |                          |
72
73 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
74
75 END
```

♦ **File / List / PN / RCOP Revisions**

☞ **Warning** : This function is only available when the corresponding file nmp_name.rpn (n = Processor
number) has been generated with the function **Decompile / PN / Generate RCOP Revisions.**

The mouse invokes the function as described in Section 3.8.3.

The invocation with the keyboard consists of the following sequence:
Alt + f → ↓ → ↵ → ↓ → ↓ → ↵ → ↓ → ↵

Example of an .rpn-Listing:

```
 1 PN-D01_P1
 &    V4.2.1   PN-RCO UNC 15.05.95 09:58
 &     FBSLIB 950401V420     A:FBSLT1 950401V420
 &    B:                     C:
 2
 3 " Revision Documentation from EEPROM "
 4
 5 " EEPROM Data Label    :   none "
 6 ": EPROM Data Label     :   ?*    "
 7
 8 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 9 FP-IQ1 ,P16
10
11 B20        : MX161.A  ,POS = 10.03.09
12    XCS O2 <      2                                                   &
 &              ,MIN  =     0                                           &
 &              ,MAX  =    10                                           &
 &              ,'TP_029  '
 &              (        9      ?*    ) The „Original Value" 9 was replaced with the value 2 at this location!
13 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
14
15 B30        : MX161.A  ,POS = 10.13.09
16    XCS O2 <      3                                                   &
 &              ,MIN  =     0                                           &
 &              ,MAX  =    10                                           &
 &              ,'TP_031  '
 &              (        9      ?*    )
17 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
18
19 B40        : MX161.A  ,POS = 10.03.33
20    XCS O2 <      0                                                   &
 &              ,MIN  =     0                                           &
 &              ,MAX  =    10                                           &
 &              ,'TP_030  '
 &              (        9      ?*    )
21 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
22
23 B50        : MX161.A  ,POS = 10.13.33
24    XCS O2 <      1                                                   &
 &              ,MIN  =     0                                           &
 &              ,MAX  =    10                                           &
 &              ,'TP_032  '
 &              (        9      ?*    )
25 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
26 FP-CONT ,P16
27
28 SE030      : AND22    ,POS = 04.04.18
29    IS2 V2 < @TYP = O2,   191                                         &
 &              ,MIN  =   128                                           &
 &              ,MAX  =   255                                           &
 &              ,'TP_011  '
 &              (   255      ?*    )
30 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
31
32 SE040      : AND22    ,POS = 04.03.30
33    IS2 V2 < @TYP = O2,   191                                         &
 &              ,MIN  =   128                                           &
 &              ,MAX  =   255                                           &
 &              ,'TP_012  '
 &              (   255      ?*    )
34 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
35 FP-PARAM3 ,P16
36
37 EE         : EPE      ,POS = 00.00.00
38    KEY I2 <   165                                                    &
 &              ,'TP_298  '
 &              (     0      ?*    )
39 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
40
41 END
```

3.8.4   File / Print to File

After clicking in menu ledge at **File / Print to File** the sub-functions **WRITE Format, ASCII-Format or SheetLayout** with their corresponding sub-functions can be selected.

SIEMENS Basic Dialog STRUC L 4.2.1 P32/P16 SIMADYN D								▼	▲

File MP Edit   FP Edit   MP Compile   FP Compile   PN Compile   Prog   Auto-Comp   Version

Delete
Straighten up selected MP
List
Print to File   WRITE Format   MP   Current Configuration
Print   ASCII-Format   FP   Back-Up
Extract Comment...   Sheet Layout   PN   Complete RCOP
Replace Comment...
Exit STRUC...

Create   Create MP

??????

example

The selection of panels can also be implemented via **cursor keys** ⬇ and **Return** ⏎ . The invocation of the function **File** is implemented via the key combination **Alt + f**. Entries using the mouse and per keyboard can also be mixed. Key actions can also be rescinded using the **ESC key** [Esc] .

3.8.4.1   File / Print to File / WRITE Format

3.8.4.1.1 File / Print to File / WRITE Format / MP

The invocation with the mouse is implemented as described in Section 3.8.4.

♦ **File / Print to File / WRITE Format / MP / Current Configuration**

☞ **Warning** : This function is only available when the corresponding file mp_name.cmp/.ump, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f → ⬇ → ⬇ → ⏎ → ⏎ → ⏎ → ⏎

An MP must be selected before the function is invoked.

♦ **File / Print to File / WRITE Format / MP / Back-Up**

☞ **Warning** : This function is only available when the corresponding file mp_name.omp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f → ⬇ → ⬇ → ⏎ → ⏎ → ⏎ → ⬇ → ⏎

♦ **File / Print to File / WRITE Format / MP / Complete RCOP**

☞ **Warning** : This function is only available when the corresponding file mp_name.rmp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↵→↓→↓→↵

3.8.4.1.2 File / Print to File / WRITE Format / FP

The invocation with the mouse is implemented as described in Section 3.8.4.

♦ **File / Print to File / WRITE Format / FP / Current Configuration**

☞ **Warning** : This function is only available when the corresponding file fp_name.cfp/.ufp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↓→↵→↵

♦ **File / Print to File / WRITE Format / FP / Back-Up**

☞ **Warning** : This function is only available when the corresponding file fp_name.ofp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↓→↵→↓→↵

♦ **File / Print to File / WRITE Format / FP / MAP Listing**

☞ **Warning** : This function is only available when the corresponding file fp_name.mfp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↓→↵→↓→↓→↵

♦ **File / Print to File / WRITE Format / FP / Complete RCOP**

☞ **Warning** : This function is only available when the corresponding file fp_name.sfp, generated by RCOP, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↓→↵→↓→↓→↓→↵

♦ **File / Print to File / WRITE Format / FP / RCOP Revisions**

☞ **Warning** : This function is only available when the corresponding file fp_name.rfp, generated by RCOP, is located in the path.


The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↓→↵→↓→↓→↓→↓→↵

3.8.4.1.3 File / Print to File / WRITE Format / PN

The invocation with the mouse is implemented as described in Section 3.8.4.

♦ **File / Print to File / WRITE Format / PN / MAP Listing**

☞ **Warning** : This function is only available when the corresponding file nmp_name.mpn, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↓→↓→↵→↵

An MP must be selected before invoking this function.

♦ **File / Print to File / WRITE Format / PN / RCOP Revisions**

☞ **Warning** : This function is only available when the corresponding file nmp_name.rpn, generated by RCOP, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↓→↓→↵→↓→↵

♦ **File / Print to File / WRITE Format / PN / RCOP Contents**

☞ **Warning** : This function is only available when the corresponding file nmp_name.ipn, generated by RCOP, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↵→↓→↓→↵→↓→↓→↵

3.8.4.2   File / Print to File / ASCII Format

#### 3.8.4.2.1 File / Print to File / ASCII Format / MP

The invocation with the mouse is implemented as described in Section 3.8.4.

♦ **File / Print to File / ASCII Format / MP / Current Configuration**

☞ **Warning** : This function is only available when the corresponding file nmp_name.cmp/.ump, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↵→↵

An MP must be selected before invoking this function.

♦ **File / Print to File / ASCII Format / MP / Back-Up**

☞ **Warning** : This function is only available when the corresponding file nmp_name.omp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↵→↓→↵

♦ **File / Print to File / ASCII Format / MP / Complete RCOP**

☞ **Warning** : This function is only available when the corresponding file nmp_name.rmp, generated by RCOP, is located in the path.

The invocation with the keyboard consists of the following sequence:
**Alt + f** →↓→↓→↵→↓→↵→↵→↓→↓→↵

3.8.4.2.2 File / Print to File / ASCII Format / FP

The invocation with the mouse is implemented as described in Section 3.8.4.

♦ **File / Print to File / ASCII Format / FP / Current Configuration**

☞ **Warning** : This function is only available when the corresponding file fp_name.cfp/.ufp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
**Alt + f** →↓→↓→↵→↓→↵→↓→↵→↵

♦ **File / Print to File / ASCII Format / FP / Back-Up**

☞ **Warning** : This function is only available when the corresponding file fp_name.ofp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↓→↵→↓→↵

♦ **File / Print to File / ASCII Format / FP / MAP Listing**

☞ **Warning** : This function is only available when the corresponding file fp_name.mfp, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↓→↵→↓→↓→↵

♦ **File / Print to File / ASCII Format / FP / Complete RCOP**

☞ **Warning** : This function is only available when the corresponding file fp_name.sfp, generated by RCOP, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↓→↵→↓→↓→↓→↵

♦ **File / Print to File / ASCII Format / FP / RCOP Revisions**

☞ **Warning** : This function is only available when the corresponding file fp_name.rfp, generated by RCOP, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↓→↵→↓→↓→↓→↓→↵

3.8.4.2.3 File / Print to File / ASCII Format / PN

The invocation with the mouse is implemented as described in Section 3.8.4.

♦ **File / Print to File / ASCII Format / PN / MAP Listing**

☞ **Warning** : This function is only available when the corresponding file nmp_name.mpn, from the original configuring, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↓→↓→↵→↵

An MP must be selected before invoking this function.

♦ **File / Print to File / ASCII Format / PN / RCOP Revisions**

☞ **Warning** : This function is only available when the corresponding file nmp_name.rpn, generated by RCOP, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↓→↓→↵→↓→↵

♦ **File / Print to File / ASCII Format / PN / RCOP Contents**

☞ **Warning** : This function is only available when the corresponding file nmp_name.ipn, generated by RCOP, is located in the path.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↵→↓→↵→↓→↓→↵→↓→↓→↵

3.8.4.3   File / Print to File / Sheet Layout

The invocation with the mouse is implemented as described in Section 3.8.4.

The invocation with the keyboard consists of the following sequence:

Alt + f → ↓ → ↓ → ↵ → ↓ → ↓ → ↵

The following window is subsequently popped onto screen:

The sheet layout can be set in this window to format the STRUC L text in ASCII format. The significance of the set-up (parameters) can be seen in the following diagram.

Define Sheet Layout	
Number of Lines per Sheet	72
Number of Lines in front of Header	2
Number of Lines after Header	1
Number of Lines in front of Footer	1
Number of Lines after Footer	2
Minimum Lines for each Element per Sheet	3
OK	**Cancel**

REMARK

One element designates a STRUC L FB screen, which is usually multi line. If the parameter "Minimum Lines for each Element per Sheet" is set, for example, to 2, then at least 2 lines of the STRUC L screen (block header and the 1st. connector) are printed at the sheet boundary. If the remaining space is smaller, then a page break is immediately set.

```
<In front of Header>
<In front of Header>
SIMADYN D/STRUC  <Version><Level>          <Type>                    <Path>
<Program>  <Date and Time>                        <MP COP Data>

<After Header>




<In front of Footer>

<Plant ID>               <Drawing No. Prefix> <Suffix>        Sheet <1>
<After Footer>
```

Example: Head = 3 lines
Feet = 2 lines

3.8.5 File / Print

After clicking in menu ledge at **File** / **Print** the sub-functions **MP, FP** or **PN** with their corresponding sub-functions can be selected.
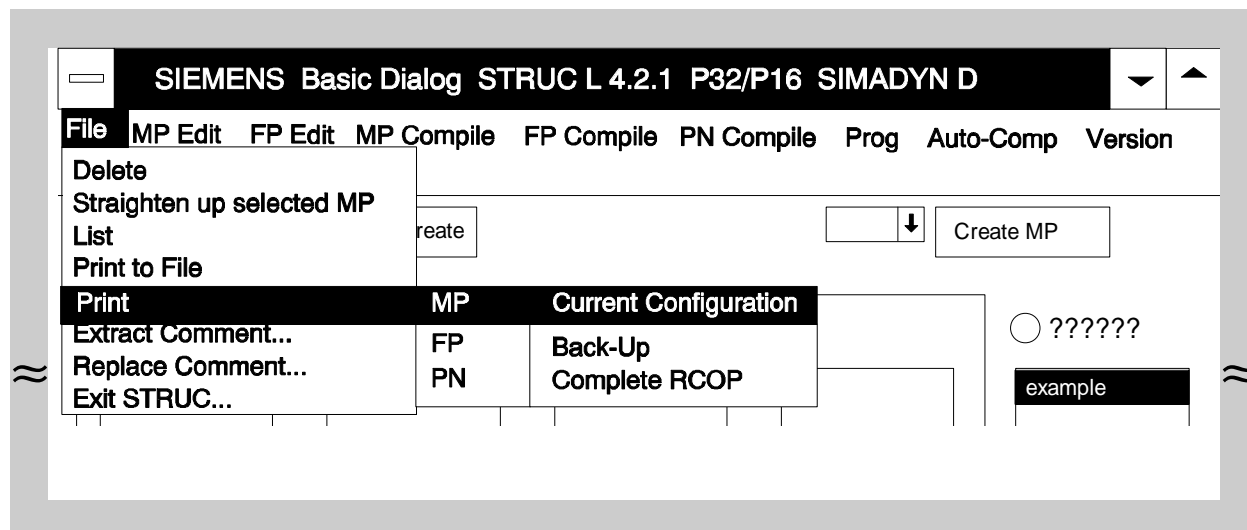
The selection of panels can also be implemented using **cursor keys** ↓ and **Return** ↵. The invocation of the function **file** is implemented via the key combination **Alt + f**. Entries using the mouse and per keyboard can also be mixed. Key actions can be rescinded using the **ESC key** Esc .

The function **Print** is divided into 3 steps:

− Formatting the STRUC texts (ASCII format), i.e. create text header, text footer and distribute the text to several sheets,

− Write the formatted text to file,

− Transmit the formatted text files to the printer.

3.8.5.1   File / Print / MP

♦ **File / Print / MP / Current Configuration**

☞ **Warning** : This function is only available when the corresponding file mp_name.cmp/.ump, from the original configuring, is located in the path.

The invocation with the mouse is implemented as described in Section 3.8.5..

The invocation with the keyboard consists of the following sequence:
Alt + f →[↓]→[↓]→[↓]→[↵]→[↵]→[↵]

An MP must be selected before invoking this function.

The program listing is not shown here, since it is a "standard" STRUC L listing. Structure and contents can be seen in the corresponding STRUC L documentation.

♦ **File / Print / MP / Back-Up**

☞ **Warning** : This function is only available when the corresponding file mp_name.omp is located in the path.

The invocation with the mouse is implemented as described in Section 3.8.5..

The invocation with the keyboard consists of the following sequence:
Alt + f →[↓]→[↓]→[↓]→[↵]→[↵]→[↓]→[↵]

The program listing is not shown here, since it is a "standard" STRUC L listing. Structure and contents can be seen in the corresponding STRUC L documentation.

♦ **File / Print / MP / Complete RCOP**

☞ **Warning** : This function is only available when the corresponding file mp_name.rmp was created using the function **Decompile - MP**.

The invocation with the mouse is implemented as described in Section 3.8.5.

The invocation with the keyboard consists of the following sequence:
Alt + f →[↓]→[↓]→[↓]→[↵]→[↵]→[↓]→[↓]→[↵]

The program listing is not shown here, since it is a "standard" STRUC L listing, however without comment. Structure and contents can be seen in the corresponding STRUC L documentation.

3.8.5.2 File / Print / FP

The invocation of the sub-functions **File / Print / FP** is as described in Section 3.8.5.

The following sub-functions can therefore be selected:

♦ **File / Print / FP / Current Configuration**

☞ **Warning**: This function is only available when the corresponding file fp_name.cfp/.ufp, from the original configuring, is located in the path.

The invocation using the mouse is implemented as described in Section 3.8.5.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↓→↵→↓→↵→↵

An FP must be selected before invoking this function.

The program listing is not shown here, since it is a "standard" STRUC L listing. Structure and contents can be seen in the corresponding STRUC L documentation.

♦ **File / Print / FP / Back-Up**

☞ **Warning**: This function is only available when the corresponding file fp_name.ofp, from the original configuring, is located in the path.

The invocation with the mouse is implemented as described in Section 3.8.5.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↓→↵→↓→↵→↓→↵

The program listing is not shown here, since it is a "standard" STRUC L listing. Structure and contents can be seen in the corresponding STRUC L documentation.

♦ **File / Print / FP / MAP Listing**

☞ **Warning** : This function is only available when the corresponding file fp_name.mfp, from the original configuring, is located in the path.

The invocation using the mouse is implemented as described in Section 3.8.5.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↓→↵→↓→↵→↓→↓→↵

The program listing is not shown here, since it is a "standard" STRUC L MAP listing. Structure and contents can be seen in the corresponding STRUC L documentation.

♦ **File / Print / FP / Complete RCOP**

☞ **Warning** : This function is only available when the corresponding file fp_name.sfp has been created with the function **Decompile / FP / Complete RCOP Generation**.

The invocation with the mouse is implemented as described in Section 3.8.5.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↓→↵→↓→↵→↓→↓→↓→↵

The program listing is not shown here, since it is a "standard" STRUC L listing, however without comments. Structure and contents can be seen in the corresponding STRUC L documentation.

♦ **File / Print / FP / RCOP Revisions**

☞ **Warning** : This function is only available when the corresponding file fp_name.rfp has been created using the function **Decompile - FP - Generate RCOP Revisions**.

The invocation using the mouse is implemented as described in Section 3.8.5.

The invocation with the keyboard consists of the following sequence:
Alt + f →↓→↓→↓→↵→↓→↵→↓→↓→↓→↵

3.8.5.3   File / Print / PN

The invocation of the sub-functions **File / Print / PN** is as described in Section 3.8.5.

The following sub-functions can therefore be selected:

♦ **File / Print / PN / MAP Listing**

☞ **Warning** : This function is only available when the corresponding file nmp_name.mpn (n = Processor Number), from the original configuring, is located in the path.

The invocation using the mouse is implemented as described in Section 3.8.5.

| The invocation with the keyboard consists of the following sequence: |
|---|
| **Alt + f** → ↓ → ↓ → ↓ → ↵ → ↓ → ↓ → ↵ → ↵ |

The program listing is not shown here, since it is a "standard" STRUC L MAP listing. Structure and contents can be seen in the corresponding STRUC L documentation.

♦ **File / Print / PN / RCOP Contents**

☞ **Warning** : This function is only available when the corresponding file nmp_name.ipn (n = Processor Number) has been created using the function **Decompile / PN / Contents**.

The invocation with the mouse is implemented as described in Section 3.8.5.

The invocation with the keyboard consists of the following sequence:
Alt + f → ↓ → ↓ → ↓ → ↵ → ↓ → ↓ → ↵ → ↓ → ↓ → ↵

♦ **File / Print / PN / RCOP Revisions**

☞ **Warning** : This function is only available when the corresponding file nmp_name.rpn (n = Processor Number) has been created using the function **Decompile / PN / Generate RCOP Revisions**.

The invocation with the mouse is implemented as described in Section 3.8.5.

The invocation with the keyboard consists of the following sequence:
Alt + f → ↓ → ↓ → ↓ → ↵ → ↓ → ↓ → ↵ → ↓ → ↵

3.9 Process Comment

Configurations, created with STRUC version V3.x or V4.x and which are commented in the language of the configuring engineer (source language), can be transposed to the user`s language (target language), without impairment of the configured functions. The transposition takes place in three steps:

− Extracting comments (create source comment files)

− Translating comment files into the target language (create target comment files with a STRUC comment editor KOMEDIT, that can be used in MS-DOS / Windows environment)

− Replacing comments (target comments instead of source comments)

♦ **data flow**
♦
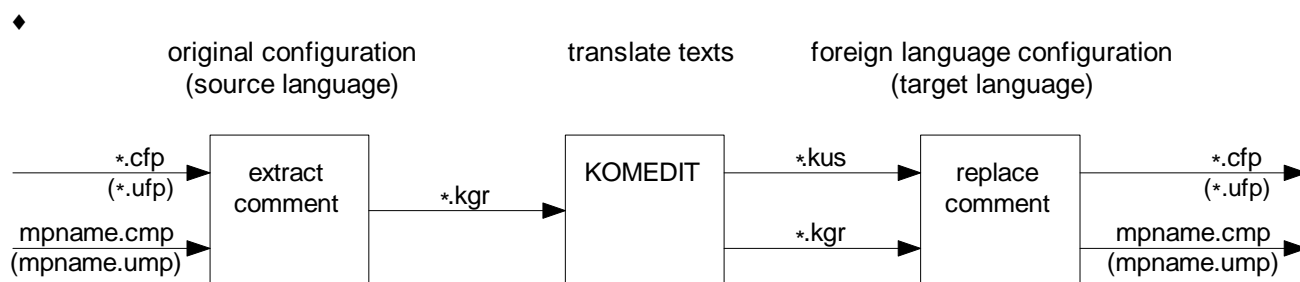
3.9.1 Extract Comment

The function is invoked by clicking **File / Extract Comment**.
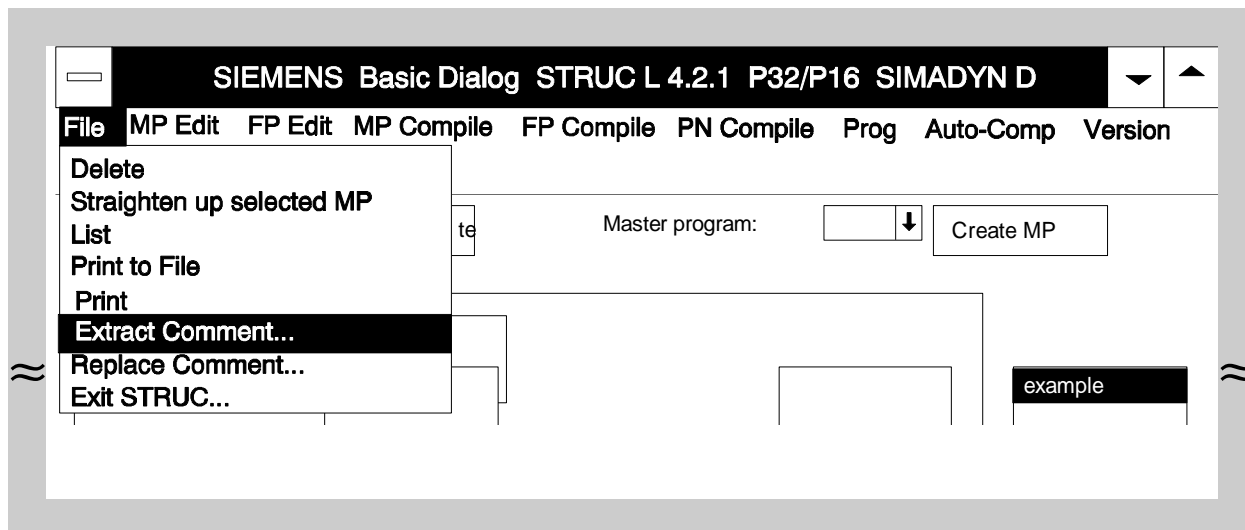
The selection of panels can also be implemented using **cursor keys** ⬇ and **Return** ↵. The invocation of the function **file** is implemented via the key combination **Alt + f**. Entries using the mouse and per keyboard can also be mixed. Key actions can be rescinded using the **ESC key** Esc .

After activation a selection window is popped onto the screen:

```
┌─────────────────────────────────────┐
│   ┌───────────────────────────────┐  │
│   │        Extract comment        │  │
│   ├───────────────────────────────┤  │
│   │  source language              │  │
│   │  ┌───────────────┬───┐        │  │
│   │  │ german (gr)   │ τ │        │  │
│   │  └───────────────┴───┘        │  │
│   │   ⊙    MP        ○   All FP of│  │
│   │   ○    PN        ○   Selected FP│ │
│   ├───────────────────────────────┤  │
│   │  ┌────────┐    ┌────────┐     │  │
│   │  │  OK    │    │ Cancel │     │  │
│   │  └────────┘    └────────┘     │  │
│   └───────────────────────────────┘  │
└─────────────────────────────────────┘
```

Source language (selection menu) and processing mode can be selected.

The language variants in the following are intended in standard:

– English (us)

– German (gr)

– French (fr)

– Spanish (sp)

– Italian (it)

With "Cancel" the window **extract comment** is closed and the old selection keeps its validity. With "OK" the window is closed and the selected parameters are proofed.
Parameter errors are i.e.:

– Source language = target language

– Button MP is selected and no MP is selected

– Button PN is selected and no PN is selected

– Button FP is selcted and no FP is selected

In case of error a message window is popped onto screen or the selection of a processing mode is closed:

```
┌───┬───────────────────────────────┐
│ ─ │          Message              │
├───┴───────────────────────────────┤
│   MP-E-KOM :  no MP selected      │
│        ┌──────────┐               │
│        │    OK    │               │
│        └──────────┘               │
└───────────────────────────────────┘
```

The different processing modes in the log file stand for:

MP: (Component ID: MP-E-KOM)
The comments of the MP file and all function packets of MP are extracted. The comments of the MP file are written into a comment file. The comment files of all FP´s of one PN are comprehended to one comment file. While comprehending existing comment files are used as filters that means multiple used comments are saved only ones. For 8 processors per MP 9 comment files are created: <mp-name>.kgr, 1<mp-name>.kgr,...8<mp-name>.kgr. The index gr means, that these are german comment files.

PN: (Component ID: PN-E-KOM)
The comments of all function packets are extracted. The comment files of all FP of one PN are comprehended to one comment file. While comprehending several existing comment files are saved only ones. Thereby all for the selected MP existing comment files are used as a filter. If the processor 1 is selected, then the comment file of the MP is generated additionally.

All FP of PN: (Component ID: PN-FP-E-KOM)

The comments of all function packets of PN are extracted. The comment files are comprehended. In processor 1 also the comments of the MP file are written into a comment file. Thereby many comment files n: <fp-name>.kgr are created. The index gr means, that these are german comment files. This kind of operation should be selected, if the comprehended comment files become too big or if only comment of singular FPs do have to be processed. In the comment file there are multiple used comments also multiple extracted.

3.9.2 Translate Comment

For translating the „source language" comments, which were filtered with basic dialog function **FILE / Extract Comment** out of a STRUC configuration V4.x or V3.x, into the target language, the MS-DOS / Windows-Program KOMEDIT is used. The installation sequence is as follows:

The installation is started in the program manager window by:

– Selecting the function   **filerun**

– Entering command line   **a:install**

– Confirming input   **input key** `Enter ←`.

The window „SIEMENS KOMEDIT L 4.2.1" appears on the desktop after start. The installation dailog is corresponding to STRUC L (see section 1.6).

While installing KOMEDIT the following new directories are created (target directory corresponds to the pretended target directory of the installation (i.e. c:\struc_w):

target directory\pgm	KOMEDIT.EX	KOMEDIT program
		KOMEDIT2,ICO and message texts
		DOS4.GW.EXE
		EDIT_I.MDS
target directory\aw		Comment files (configuration)

The program is started in the program manager window with double click on icon KOMEDIT 4.2.1 of the program group SIEMENS SIMADYN. Subsequently the following window appears for start dialog:

```
=========================KOMEDIT=========================

   Source Language : gr                    Target Language : us
   Extension : us gr fr sp it
   Path :  c:\struc_w\awd
====================c:\struc_w\awd\*.kgr====================

 1HANDMP               2  HANDMP
  NREG       SAWTH           HANDMP


 =========================================================
 F2  Source Language   F3 Target Language   F4  Path   F5  Editor   F10 Exit
```

In the screen line max. 6 file names are shown. If there are more than 60 source language comment files available in the pretended path, then the first 60 names are offered. If the key 🔽 (scroll forwards) is used, than the next 60 names are shown. If the key 🔼 (scroll backwards) is used, then the first 60 names are shown.

Clicking function keys:

F2	Source Language	The input key jumps into the source language field for input of source language.
F3	Target Language	The input key jumps into the target language field for input of target language.
F4	Path	The input key jumps into the path language field for input of path language.

The entered parameter values are checked respectively after input while confirming with ⏎ (input key) and, if they are correct, entered. Errors are shown in the message window. The selection cursor jumps into the first selection field (i.e. 1HANDMP). With the cursor keys the file name can be marked. After propting with ⏎ the marked comment file appears for editing (as F5).

F5	Editor	The selected comment file appears for editing (see editor window).
F10	Exit	Exit comment editor

Editor window

```
======================1HANDMP.kgr==========================
000001 comment line1
000002 comment line2
000003 comment line3
000004 comment line4
000005 comment line5
000006 comment line6
000007 comment line7
000008 comment line8
000009 comment line9
000010 comment line10
======================1HANDMP.kus==========================
000001
000002 comment line2
000003 comment line3
000004
000005 comment line5
000006 comment line6
000007 comment line7
000008 comment line8
000009 comment line9
000010 comment line10
===========================================================
F2  Store    F3 Info    F4  V line    F5  N line    F6  line number    F10 Exit
```

The input of the target language texts happens in the part more below on the screen. The line of the source language, that must be translated, and the corresponding line in the part more below on the screen are lightened for marking The lenght of this marking announces the maximal text lenght.

F2	Store	Store actual status
F3	Info	\<xxxx\> of \<yyyy\> comments have not been translated yet.
F4	V line	Set cursor to the foregoing line not translated yet (in the example 000001).
F5	N line	Set cursor to the next line not translated yet (in the example 000004).
F6	Line-Nr.	Set cursor to indicated line, by input of line number (1 ... 999999) (8 = i.e. line 000008).
F10	Exit	Exit editor: End input Y/N Y. Do you wish to store the file? Y/N Y Þ Comment editor is finished.
Home		Set cursor to the beginning of the line
End		Set cursor to the end of the line
PgDn		Scroll forwards
PgUp		Scroll backwards

In the example are the german comment texts of all FPs of the processor 1 in the master program HANDMP (1HANDMP,KGR) translated into English (1HANDMP.KUS).

3.9.3   Replace Comment

This function is activated by clicking File / Replace Comment.
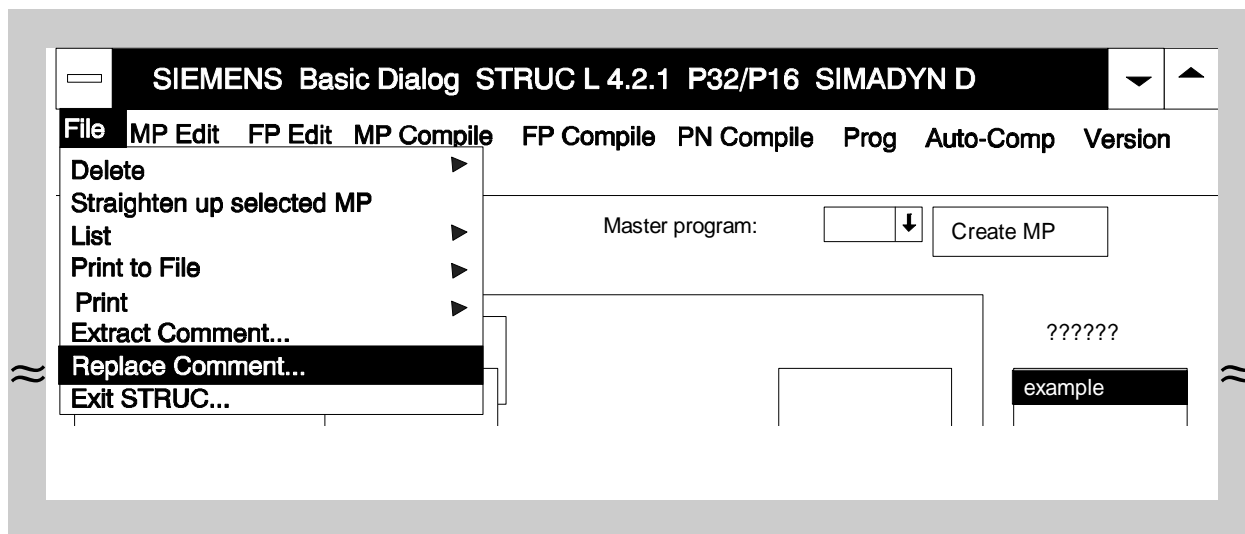
The selection of panels can also be implemented using **cursor keys** ⬇ and **Return** ↵. The invocation of the function **file** is implemented via the key combination **Alt + f**. Entries using the mouse and per keyboard can also be mixed. Key actions can be rescinded using the **ESC key** Esc .

After activation a selection window is poppe onto the screen.:
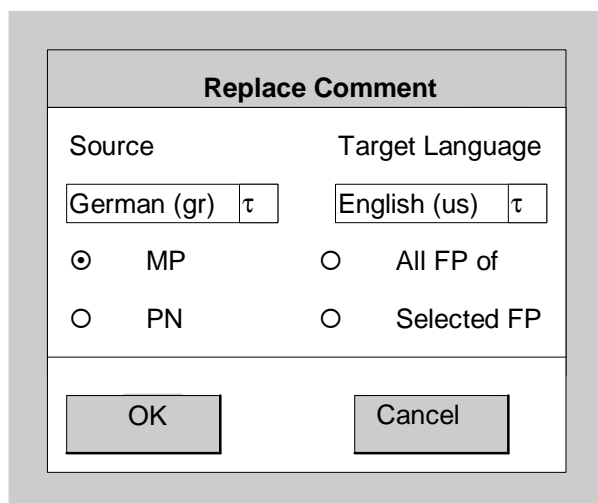

The source language means, in whixh language the original configuring is commented. The target language means, which language the user wants to have for the documentation. The standard language variants (see section `Extract Comment`) for source and target language are the same.

With `Cancel´ the window `Replace Comment´ is closed and the old selection keeps ist validity. `OK´closes the window and the selcted parameters are proofed. In case of error a message window is popped onto screen and the old selection also keeps its validity.

The varied processing modes signify the same as documented in section „Extract Comment". So if an extraction was carried out in MP or PN operating, then the replacing must be carried out in the same kind of operating. If PN operating is replaced and if i.e.P4 is selected, then there must exist all comment files 1<mp-name.kus>, ...,8<mp-name.kus>, in case that the same comment is used multiple. The index us means, that these are english comment files (target language). If not all comments are translated, then state is announced with a window popped onto screen and the corresponding remark is entered in the log file. These recognition of components could exist because of any error : MP-S-KOM, PN-S-KOM, PN-FP-S-KOM and FP-S-KOM.

3.10   Closing the basic dialog
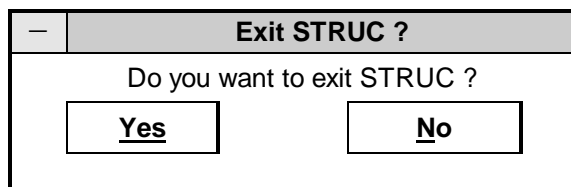
The basic dialog can be ended as follows:

• click on end in the menu bar **File** and then with a second click at **Exit STRUC**

• double click on the system menu ⊟

• open the system menu by clicking on ⊟ and then clicking-on **close.**

SIEMENS Basic Dialog STRUC L 4.2.1 P32/P16 SIMADYN D

File   MP Edit   FP Edit   MP Compile   FP Compile   PN Compile   Prog   Auto-Comp   Version
Library   Options

≈   Project: [▼] Create Project   Master Program: [▼] Create MP   ≈
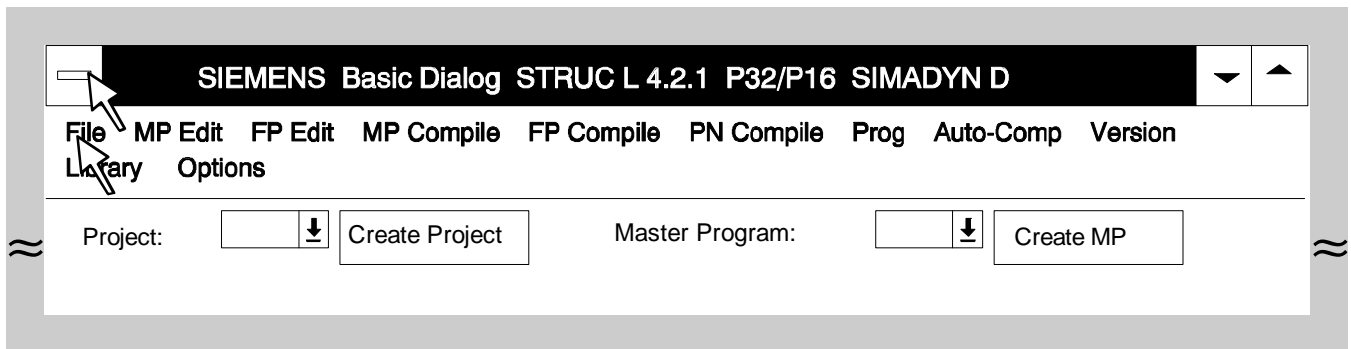
Subsequently a selection window appears on the screen:

⊟	**Exit STRUC ?**
Do you want to exit STRUC ?	
Yes	**No**

Clicking „Yes" closes the basic dialog.

Clicking „No" returns to the basic dialog.

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